



PRODUCT SPECIFICATION BULLETIN

SL.600.U15.VRD

**SUNMASTER®
HPS Grow Lamp
High Pressure Sodium**

Lamp Type	HIGH PRESSURE SODIUM
Product Number	10034
ANSI Designation	S106

Performance Data

Initial Lumens	90000
PAR Watts	215
Rated Life (Hrs. @10 Hr. / Start)	24000+ V / H
Correlated Color Temperature K	2100
Chromaticity (CIE -X,Y)	.530 .415
Color Rendering Index (CRI)	22
Typical Warm Up Time (Minutes)	3-5
Typical Hot Restart Time (Minutes)	1
Burning Position	UNIVERSAL

Physical Data / Requirements

Base Designation	MOGUL (E40)
Bulb Designation	T46
Bulb Diameter	46mm
Max. Overall Length (MOL)	285mm
Light Center Length (LCL)	175mm
Effective Arc Length	106 mm
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	400
Luminaire Type	OPEN/ENCLOSED
Socket Pulse Rating (KV)	5
Socket Style	OPEN RATED E40

Electrical Data / Requirements

Lamp Wattage	600
Operating Voltage (Nominal)	-
Operating Current (Amps)	-
Min. Open Circuit Voltage (RMS)	-
Min. -Max. Starting Pulse (Peak V)	-
Min. Pulse Width At 2700 Volts (u sec)	-
Min. Pulse Rate Per 1/2 Cycle	-
Pulse Position (Min. % OCV Peak)	-

Revision: 1/29/2007 1852 - 8

Notes

THIS LAMP CONFORMS TO FEDERAL STANDARD 21 CFR 1040.30
Warning: This lamp can cause skin burn and eye inflammation from shortwave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Lamps that will automatically extinguish when outer envelope is broken or punctured are commercially available.